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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/663,056	09/15/2000	Andrew C. Gallagher	80525SHS	2954
1333	7590 01/15/2004		EXAM	INER
PATENT LEGAL STAFF EASTMAN KODAK COMPANY 343 STATE STREET			ROSARIO-VASQUEZ, DENNIS	
			ART UNIT	PAPER NUMBER
ROCHESTER, NY 14650-2201			2621	
			DATE MAILED: 01/15/200	^t h

Please find below and/or attached an Office communication concerning this application or proceeding.

,		Application No.	Applicant(s)			
Office Action Summary		09/663,056	GALLAGHER, ANDREW C.			
		Examiner	Art Unit			
		Dennis Rosario-Vasquez	2621			
Period fo	The MAILING DATE of this communication or Reply	n appears on the cover sheet with the	correspondence address			
THE - External after of the control	MAILING DATE OF THIS COMMUNICATION OF THIS COMMUNICATION OF THIS COMMUNICATION OF SIX (6) MONTHS from the mailing date of this communication of period for reply specified above is less than thirty (30) days. Depend for reply is specified above, the maximum statutory pure to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a reply be tion. a reply within the statutory minimum of thirty (30) date of will apply and will expire SIX (6) MONTHS from statute, cause the application to become ABANDON	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).			
1)🛛	Responsive to communication(s) filed on	October 22,2003.				
2a) <u></u> □	This action is FINAL . 2b)⊠	This action is non-final.				
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)⊠	 Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) 5,11,20 is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-4,10 and 16-18 is/are rejected. Claim(s) 6-9,12-15,19,21-24 is/are objected to. Claim(s) are subject to restriction and/or election requirement. 					
-	ion Papers	·				
10)⊠	The specification is objected to by the Example The drawing(s) filed on <u>October 22, 2003</u> is Applicant may not request that any objection to Replacement drawing sheet(s) including the countries of the oath or declaration is objected to by the	is/are: a)⊠ accepted or b)☐ objected or the drawing(s) be held in abeyance. Seconsection is required if the drawing(s) is object.	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority	under 35 U.S.C. §§ 119 and 120					
* (13)⊠ / s (14)	Acknowledgment is made of a claim for form All b) Some * c) None of: 1. Certified copies of the priority document of the certified copies of the priority document of the certified copies of the application from the International Brown of the attached detailed Office action for the Acknowledgment is made of a claim for dormous of the certified copies of the application from the International Brown of the action for the foreign for dormous of the foreign language acknowledgment is made of a claim for dormous of the first sentence was included in the first sentence	ments have been received. ments have been received in Applica priority documents have been receiv ureau (PCT Rule 17.2(a)). a list of the certified copies not receiv mestic priority under 35 U.S.C. § 119 ne first sentence of the specification of the provisional application has been re mestic priority under 35 U.S.C. §§ 120	tion No red in this National Stage ed. (e) (to a provisional application) or in an Application Data Sheet. ceived. 0 and/or 121 since a specific			
Attachmer	nt(s)					
2) 🔲 Noti	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-94 mation Disclosure Statement(s) (PTO-1449) Paper N	8) 5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)			

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DETAILED ACTION

Response to Amendment

1. Applicant's amendment was received on October 22, 2003, and has been entered and made of record. Currently, claims 1-24 are pending. Due to an updated search this is a 2nd non-final office action. Disregard the first office action. Examiner regrets any inconvenience.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 4 and 10 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 10 and 34 of U.S. Patent No. 6,591,005 B1. Although the conflicting claims are not identical, they are not patentably distinct from each other because with regard to U.S. Patent No. 6,591,005 B1 discloses all of the limitations of claims 4 and 10 except detecting an amount of rotation; however, U.S. Patent No. 6,591,005 B1, claim 10, which is representative of claim 34, states," The method claimed in claim 1, further comprising the step of

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detecting the orientation of the image based on the selected vanishing point location (U.S. Patent No. 6,591,005 B1 detects orientation and not rotation; however, orientation would encompass various functions such as rotation, translation, and skew.).".

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claim 1-3 and 16-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Sumino et al (U.S. Patent 5,325,470).

With regard to claims 1-3, Sumino et al. discloses a method of a system (fig. 2) generating an image transform for modifying a digital image (Sumino et al. states, "...the operator can easily synthesize a real image and a CG having a complex shape simply by performing the operation of translational, rotational or scaling transformation (col. 5, lines 28-31)."), comprising:

a) detecting a vanishing point (fig. 4B, num. 351) related to the selected image (fig. 4B, num. 300) (Sumino et al. uses vanishing points to determine a plane's normal vector (col. 3, lines 12-16).);

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b) determining a preferable vanishing point (fig. 4B, num. 351) location (Using figure 4B, Sumino et al. states," ...the intersection between straight lines L0340 and L2342 is given as qb1351...the intersection qb1351 may be determined also by the straight lines L0340 and L4344 to improve the coordinate accuracy of the intersection qb1351 (col. 6, lines 60-62,67,68 and col. 7, lines 1,2) [Therefore, the coordinates of detected vanishing point (fig. 4B, num. 351) of step b) is improved by using more straight lines to determine a new vanishing point or preferable vanishing point which results in an improved coordinate accuracy]."); and

c) generating an image transform (fig. 3, num 211) based on the vanishing point location and the preferable vanishing point location (Sumino et al. states," a three-dimensional rotational transformation of the CG having a complex shape are calculated from each normal vector [,and each normal vector was derived from the points qb1351 and qb2352](col.5, lines 59-61 and col. 7, lines 2-12)."

Claim 2 was addressed in claim 1c) above.

Claim 3 was addressed in claim 1b) above.

With regard to claims 16-18, Sumino et al. discloses a computer readable medium having computer executable instructions at column 4, lines 45-47: "a magnetic disk 110 (fig. 2) for storing a processing program".

Drawings

6. The drawings were received on October 22, 2003. These drawings are acceptable.

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Specification

7. The amendments to the specification received on October 22, 2003 have been reviewed and accepted.

Allowable Subject Matter

8. Claim 6-9,12-15,19,21-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Seago (U.S. Patent 5,990,900 A) is pertinent as teaching a method of determining a image's orientation in relation to a axis coordinate system using vanishing points (fig. 2, num. 48). This reference is applicable to claim 1.

Isaacs (U.S. Patent 5,798,761) is pertinent as teaching a method of categorizing vanishing points (129,169 and 172) based on regions (fig. 6A, numerals 171,165,163) of the image.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis Rosario-Vasquez whose telephone number is 703-305-5431. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Boudreau can be reached on 703-305-4706. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9313.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.

DPV Dennis Rosario-Vasquez Unit 2621

LEO BOUDREAU

SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600